OMB Approval 2700-0042

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
J	1		6

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
P00042	See Block 16C.	N/A	RFID

6. ISSUED BY CODE W909MY

US Army CECOM Acquisition Center- Washington
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7. ADMINISTERED BY (If other than Item 6) CODE S0507A

DCMC San Francisco
DCMDW-GFOC
1265 Borregas Avenue
Sunnyvale, California 94089-1308

8. NAME AND ADDRESS OF CONTRACTOR

SAVI Technology
615 Tasman Drive
Sunnyvale, California 94089

CODE 0J463 FACILITY CODE

(✓) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

(✓) 10A. MODIFICATION OF CONTRACT/ORDER NO. DAAB07-97-D-V007

10B. DATED (SEE ITEM 13) 8 August 1997

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is ☐ extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:(a) By completing Items 8 and 15, and returning ___ copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

✓ C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
Part C-1-1(h), Current Technology Substitutions/Additions/Insertions.

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ___ is not X is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE PAGE 2

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
T. Carey White Chief Financial Officer	GLORIA J. McGEE, Contracting Officer E-mail: gloria.mcgee@cacw.army.mil Phone No. (703) 325-2927

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)	7-18-02	BY Gloria J. McGee (Signature of Contracting Officer)	19 July 2002

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FAR (48 CFR 53.24)

A. The purpose of this modification is to incorporate Savi Technology's Contract Change Proposals (CCP) 31, Portal-Based Locating System, and CCP 38, Product Substitution of CLIN5054BE, and to make an administrative correction to Part B-1, Master CLIN List.

B. Part B-1 is hereby modified as follows:

1. In accordance with CCP 31, Portal-Based Locating System, is added as shown in the following table:

CLIN	DESCRIPTION	OEM	Model No.	QTY	Unit	Unit Price
5057	Portal-Based Locating System					
5057AA	EchoPoint Reader 600-101 with Ethernet interface, 1-49 units (single order)	Savi	See Attachment	1	EA	$ 2,495.00
5057AB	EchoPoint Reader 600-101 with Ethernet interface, 50 units or more (single order)	Savi	See Attachment	1	EA	$ 2,195.00
5057AC	Heavy Duty Mounting Kit	Savi	SRA-1024	1	EA	$ 167.00
5057BA	EchoPoint Signpost 600-101 (medium range), 1-499 units (single order)	Savi	See Attachment	1	EA	$ 1,095.00
5057BB	EchoPoint Signpost 600-101 (medium range), 500 units or more (single order)	Savi	See Attachment	1	EA	$ 875.00
5057BC	EchoPoint Signpost 600-201 (long range), 1-499 units (single order)	Savi	See Attachment	1	EA	$ 1,635.00
5057BD	EchoPoint Signpost 600-201 (long range), 500 units or more (single order)	Savi	See Attachment	1	EA	$ 1,395.00
5057CA	EchoPoint Tag 602	Savi	ST-602-02	1	EA	$ 18.00
5057DA	Savi Site Manager, up to 100 readers	Savi	SSM-600-01	1	EA	$ 12,500.00

Part B-1 Attachment

CLIN	Name	110-127 V 60 Hz Plug Type 1 Model No.	220-240 V 50 Hz Plug Type 2 or Type 4 Model No.	110-127 V 50/60 Hz Plug Type 3 Model No.	110-127 V 50/60 Hz Plug Type 2 Model No.
5057AA	EchoPoint Reader 600-101 with Ethernet interface, 1-49 units (single order)	SR-600-101	SR-600-101-2	SR-600-101-3	SR-600-101-6
5057AB	EchoPoint Reader 600-101 with Ethernet interface, 50 units or more (single order)	SR-600-101	SR-600-101-2	SR-600-101-3	SR-600-101-6
5057BA	EchoPoint Signpost 600-101 (medium range), 1-499 units (single order)	SP-600-101	SP-600-101-2	SP-600-101-3	SP-600-101-6
5057BB	EchoPoint Signpost 600-101 (medium range), 500 units or more (single order)	SP-600-101	SP-600-101-2	SP-600-101-3	SP-600-101-6
5057BC	EchoPoint Signpost 600-201 (long range), 1-499 units (single order)	SP-600-201	SP-600-201-2	SP-600-201-3	SP-600-201-6
5057BD	EchoPoint Signpost 600-201 (long range), 500 units or more (single order)	SP-600-201	SP-600-201-2	SP-600-201-3	SP-600-201-6

2. In accordance with CCP 38, sub-CLIN 5054 is changed as follows:

FROM:

CLIN	DESCRIPTION	OEM	MODEL NO.	QTY	UNIT	UNIT PRICE
5054BE	Beacon Tag, 303MHZ (7 sec reporting interval) padded for use on metal objects	RF Code	ST-510-01P	1	EA	$24

TO:

CLIN	DESCRIPTION	OEM	MODEL NO.	QTY	UNIT	UNIT PRICE
5054BE	Beacon Tag, 303MHZ (7 sec reporting interval) padded for use on metal objects, in a molded plastic case that is approximately 1 x 1 x 2.2 inches	RF Code	ST-510-01PM	1	EA	$24

3. The model numbers for sub-CLINs 5056AD, 5054AF, and 5056AH, which were listed incorrectly in the revised Part B-1 included with modification P00041, are administratively corrected in the attached Part B-1 as follows:

FROM:

CLIN	MODEL NO.
5056AD	SDSK-1003
5056AF	SDSK-1005
5056AH	SDSK-1007

TO:

CLIN	MODEL NO.
5056AD	SDSK-1004
5056AF	SDSK-1006
5056AH	SDSK-1008

C. Part D-1, RFID SPECIFICATION AND STATEMENT OF WORK, is hereby modified as follows:

FROM:

4.6 RFID INTEGRATED COMPONENT CONFIGURATIONS (RICC)

The Government requires Active and Passive RFID components that can be combined to create RFID Integrated Component Configurations (RICC). These configurations include interrogation, Real Time Locating Systems, and beacon technologies. The Contractor-provided components shall integrate into a network configuration, using RF Local Area Network connectivity protocols, to accomplish the automated collection, storage, retrieval, processing, receipt, and transmission of data. Each configuration shall be provided with software that shall permit the Government user to operate and control the functioning of the RFID components.

Each network shall be intra-operable with all components of the respective network. The Government desires that networks shall be capable of being integrated at the host level to use common databases, operating software, and user interfaces when these networks are fielded together. Networks configured for the active RFID components shall be capable of managing a minimum of 100 Interrogators through a single host computer and host computer connection. In the event that one or more Interrogators within the network fails or is removed, this condition shall not affect the proper operation of other Interrogators in the network. Networks configured for the beacon transmission system shall be capable of managing up to ten readers with a single network system. The network shall be capable of automatically detecting and reporting to the host computer transponders introduced, removed, or failed within the environment domain without requiring the user to make changes to the network configuration. The Contractor shall provide a Real Time Locating System (RTLS) that will consist of antennas, Location Processors, Tags and Software (Operating Software for PC and Application Development Software). This system shall be capable of reading signals indoors at a distance up to 350 feet and outdoors at a range up to 1000 feet. The system shall provide for locating a specific tag within 10 feet.

TO:

4.6 RFID INTEGRATED COMPONENT CONFIGURATIONS (RICC)

The Government requires Active and Passive RFID components that can be combined to create RFID Integrated Component Configurations (RICC). These configurations include interrogation, Real Time Locating Systems, beacon technologies, and Portal-based Locating Systems. The Contractor-provided components shall integrate into a network configuration, using RF Local Area Network connectivity protocols, to accomplish the automated collection, storage, retrieval, processing, receipt, and transmission of data. Each configuration shall be provided with software that shall permit the Government user to operate and control the functioning of the RFID components. Each network shall be intra-operable with all components of the respective network. The Government desires that networks shall be capable of being integrated at the host level to use common databases, operating software, and user interfaces when these networks are fielded together. Networks configured for the active RFID components shall be capable of managing a minimum of 100 Interrogators through a single host computer and host computer connection. In the event that one or more Interrogators within the network fails or is removed, this condition shall not affect the proper operation of other Interrogators in the network. Networks configured for the beacon transmission system shall be capable of managing up to ten readers with a single network system. The network shall be capable of automatically detecting and reporting to the host computer transponders introduced, removed, or failed within the environment domain without requiring the user to make changes to the network configuration. The Contractor shall provide a Real Time Locating System (RTLS) that will consist of antennas, Location Processors, Tags and Software (Operating Software for PC and Application Development Software). This system shall be capable of reading signals indoors at a distance up to 350 feet and outdoors at a range up to 1000 feet. The system shall provide for location a specific tag within 10 feet. The Portal-based Locating System configuration shall consist of readers, location signposts, and tags. The configuration shall be capable of reading line-of-sight signals from tags at a range of greater than 150 feet. The system shall also be capable of identifying the specific location of a tag when it is within range of a location signpost.

ADD THE FOLLOWING PARAGRAPHS:

4.10.15 Portal-Based Locating System Configuration

4.10.15.1 General Requirements

The Portal-Based Locating System Configuration shall consist of Readers, Location Signposts, and Tags. The configuration shall be capable of reading line-of-sight signals from Tags at a range of greater than 150 feet. The system shall also be capable of identifying the specific location of a Tag when it is within range of a Location Signpost.

4.10.15.2 Functional Requirements

4.10.15.2.1 Fixed Readers

The Fixed Reader shall be easily mountable in a fixed location and shall have the capability to connect to a host computer through a wired or wireless Local Area Network. Each reader shall be capable of communicating with at least 1000 tags. Readers shall be capable of being powered through both standard AC voltage as well as battery powered DC voltage.

4.10.15.2.2 Location Signposts

Location Signposts shall be capable of transmitting a unique identifier to Tags to notify them of their location. At least one Location Signpost shall have a range of up to 12 feet and be capable of communicating with tags moving at up to 40 mph. Location Signposts shall also be capable of writing data to Tags and adjusting Tag operating parameters, including enabling and disabling the Tag beacon and adjusting the Tag beacon rate. Location Signposts shall be capable of being powered through both standard AC voltage as well as battery powered DC voltage.

4.10.15.2.3 Tags

Tags shall be easily and securely attached to, or detached from, existing conveyance equipment. Attachment of Tags to conveyance equipment shall require no modifications to the conveyance equipment, and shall be user-replaceable by hand or with the use of commonly available tools. Tags shall have the capability to transmit signals to a Reader at a distance of at least 150 feet. RF signal transmission shall be unaffected by Tag orientation. All Tags shall have a unique, pre-set serial or identification number. Tags shall have a minimum of 16 bytes of user memory, as well as 16 bytes of storage for a user-designated identification number. At least one model of Tag shall have a minimum useful battery life of four years (based on 10 signposts events per day and beacon rate of once per minute).

D. Part D-1 has also been revised to include Paragraph 4.10.14, Early Entry Deployment Support Kit, which was previously incorporated in modification P00041.

E. The following contract Parts are replaced in their entirety:

Part B-1, Option Year 5
Part B-1, Attachment
Part D-1

Changes in Microsoft Excel are denoted by a bar (|) in the right margin.

Changes in Microsoft Word are implemented using the highlight (but not strikethrough) technique as follows:

Under Tools, Options, Track Changes Tab:

Inserted text; Mark: Underline
Changed lines; Mark: Right border

F. As a result of this modification, the amount of contract obligation remains the same.